

WHAT IS CLAIMED IS:

1. A cooling system for a fuel cell vehicle comprising:

a fuel gas flow field for supplying fuel gas to a fuel cell stack and exhausting the fuel gas from the fuel cell stack through a fuel gas accumulator;

5 an air flow field for supplying air to a fuel cell stack and exhausting the air from the fuel cell stack through an air accumulator; and

a coolant circulation flow field for supplying coolant to the fuel cell stack, the fuel accumulator, and the air accumulator having a pressure generated by a pump, and cooling the withdrawn coolant therefrom by heat transfer to a radiator.

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2. A cooling system of claim 1, wherein each of a passage of the fuel gas

flow field between the fuel cell stack and fuel gas accumulator, a passage of the air flow field between the fuel cell stack and the air accumulator, and a passage of the coolant circulation flow field, is formed with at least one cooling pipe which has a plurality of fins

15 on a circumferential surface thereof.

3. A cooling system of claim 2, wherein the fins are streamlined.

4. A cooling system of claim 3, wherein the circumferential surface of the

20 cooling pipe is wave-shaped.

5. A pipe which is provided to a cooling system for a fuel cell vehicle, comprising:

a fuel gas flow field for supplying fuel gas to a fuel cell stack and exhausting the fuel gas from the fuel cell stack through a fuel gas accumulator;

an air flow field for supplying air to a fuel cell stack and exhausting the air from the fuel cell stack through an air accumulator; and

5 a coolant circulation flow field for supplying coolant to the fuel cell stack, the fuel accumulator, and the air accumulator with a pressure generated by a pump, and cooling the coolant withdrawn therefrom by heat transfer to a radiator,

Wherein the pipe has a plurality of fins on a circumferential surface thereof, and each of a passage of the fuel gas flow field between the fuel cell stack and fuel gas

10 accumulator, a passage of the air flow field between the fuel cell stack and the air accumulator, and a passage of the coolant circulation flow field, is formed by at least one of the pipes.

6. A pipe of claim 5, wherein the fins are streamlined.

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7. A pipe of claim 6, wherein the circumferential surface of the pipe is wave-shaped.